Service Document
Exchange Set

Livance GDP 2400

GRUNDIG

Service Manual

Sicherheit Safety

Materialnr./Part No. 720108000001

⚠ Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

⚠ The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

Dieses Service Dokument ist nur in Datenform verfügbar
This Service Document is only available as data

Änderungen vorbehalten/Subject to alteration

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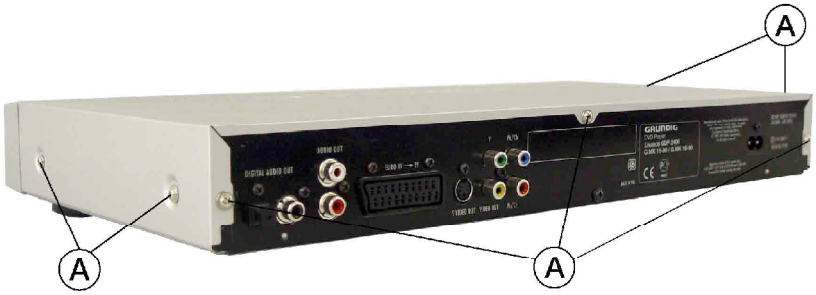


Fig 1

Fig 2

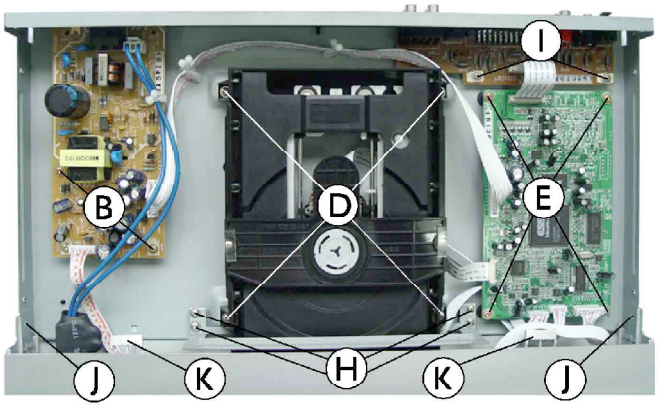


Fig 3

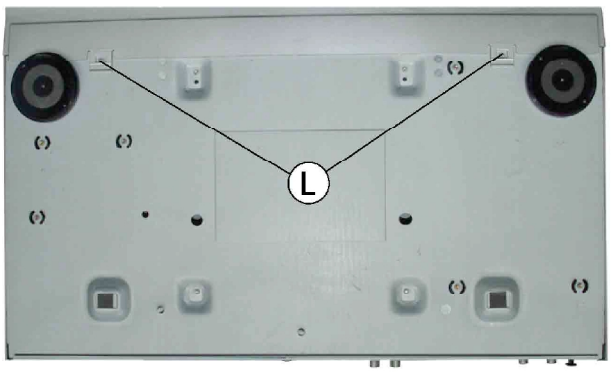


Fig 4

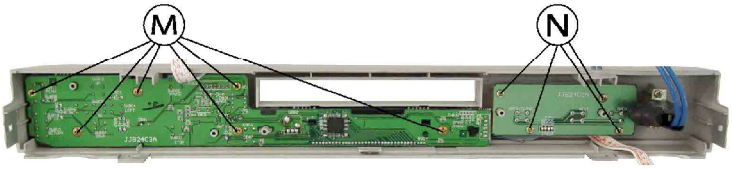


Fig 5

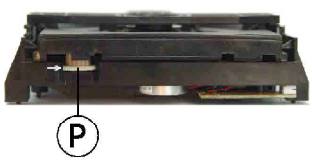


Fig 6

Disassembly Instructions

1. Cabinet Upper Part
– Undo the 7 screws A (Fig. 1).
– Bend the upper part of the cabinet at its centre, slide it to the rear then remove it.

Reassembly Hint:
– Place the upper part of the cabinet on the recesses K.

2. Front Panel
– Undo the 4 locking lugs J (Fig. 3) / L (Fig. 4) and then remove the front panel.
– Unplug the connectors if necessary.

3. VFD Driver and Key Control Board Units
– Remove the front panel (Point 2).
– Undo the 10 screws M / N (Fig. 5).
– Remove the VFD Driver and Key Control Board units.

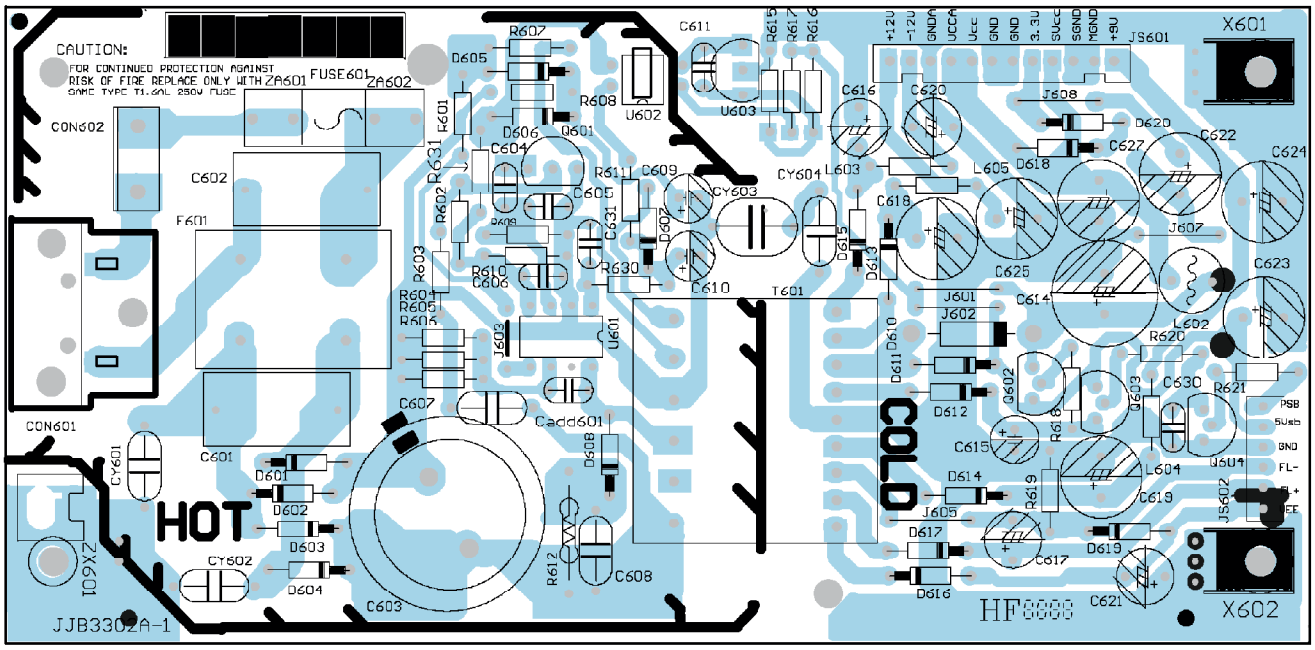
4. Power Supply Board
– Undo the 2 screws B (Fig. 3).
– Undo the 1 screw F (Fig. 2).
– Remove the Power Supply Board from the unit.
Unplug the connectors if necessary.

5. Main Board
– Undo the 4 screws E (Fig. 3).
– Remove the main board.
– Unplug the connectors if necessary.

6. Output Board
– Undo the 2 screws I (Fig. 3)
– Undo the 7 screws C (Fig. 2).
– Remove the output board.
– Unplug the connectors if necessary.

7. Drive Mechanism
– Undo the 4 screws D (Fig. 3)
– Lift the drive mechanism at its back part, slide it to the rear, and then remove it.
– Unplug the connectors if necessary.

8. Opening the Tray of a Defective Unit
– Turn the toothed wheel P (Fig. 6) in direction of the arrow until the tray moves then pull out the tray completely.
– Remove the DVD/CD from the defective drive unit if necessary.


CAUTION:
FOR CONTINUED PROTECTION AGAINST
RISK OF FIRE REPLACE ONLY WITH ZA601 FUSE601 ZA602
SAME TYPE T1.6AL 250V FUSE
CON602
CON601
F601
HOT
JJB3302A-1
HF8000
X601
X602
JS601
J608
J607
J601
J602
J605
JS602
L601
L602
L603
L604
L605
T601
U601
U602
U603
Q601
Q602
Q603
Q604
D601
D602
D603
D604
D605
D606
D607
D608
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D615
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D617
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D619
D620
C601
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C606
C607
C608
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C610
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C612
C613
C614
C615
C616
C617
C618
C619
C620
C621
C622
C623
C624
C625
C626
C627
C630
R601
R602
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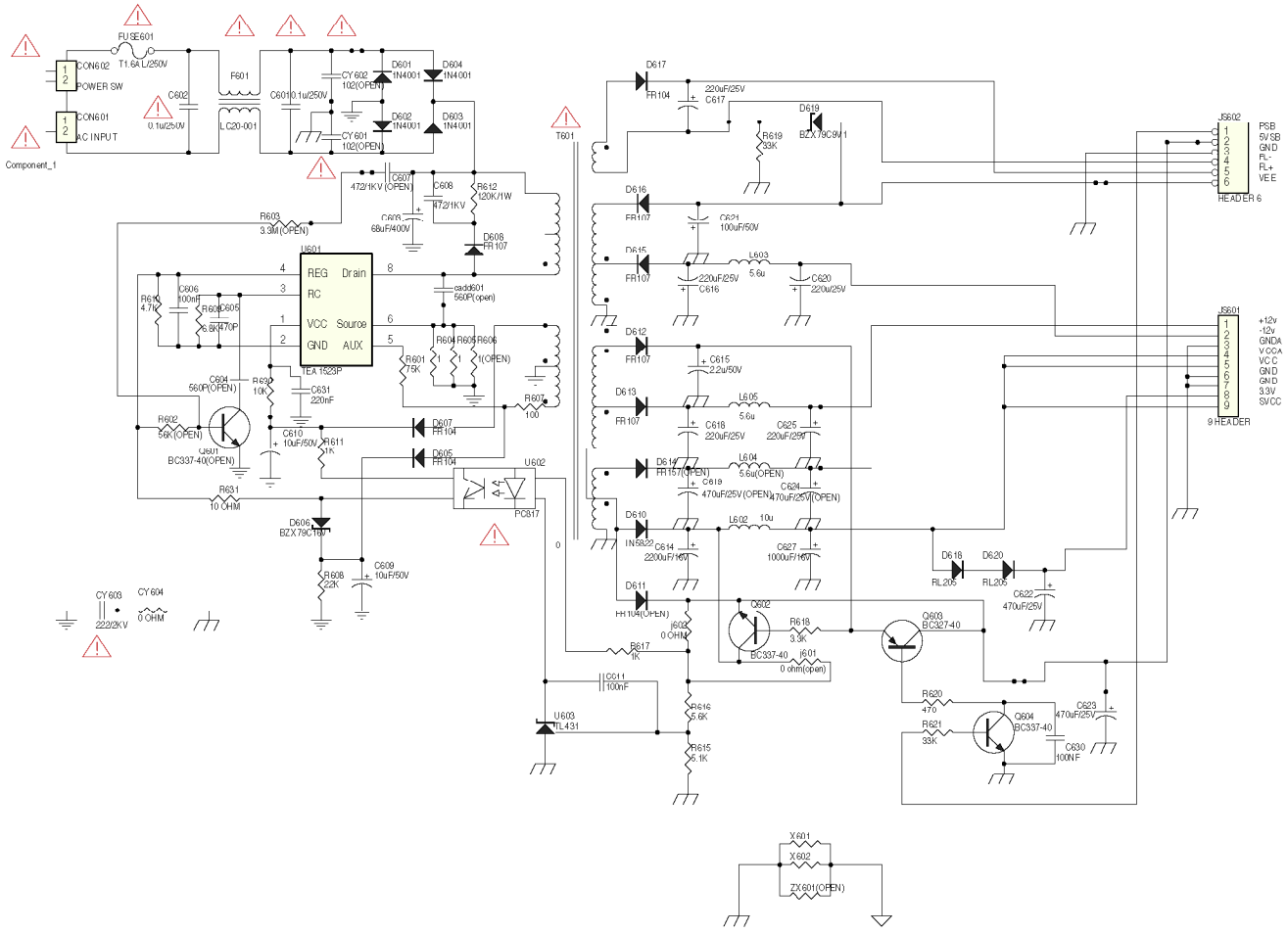
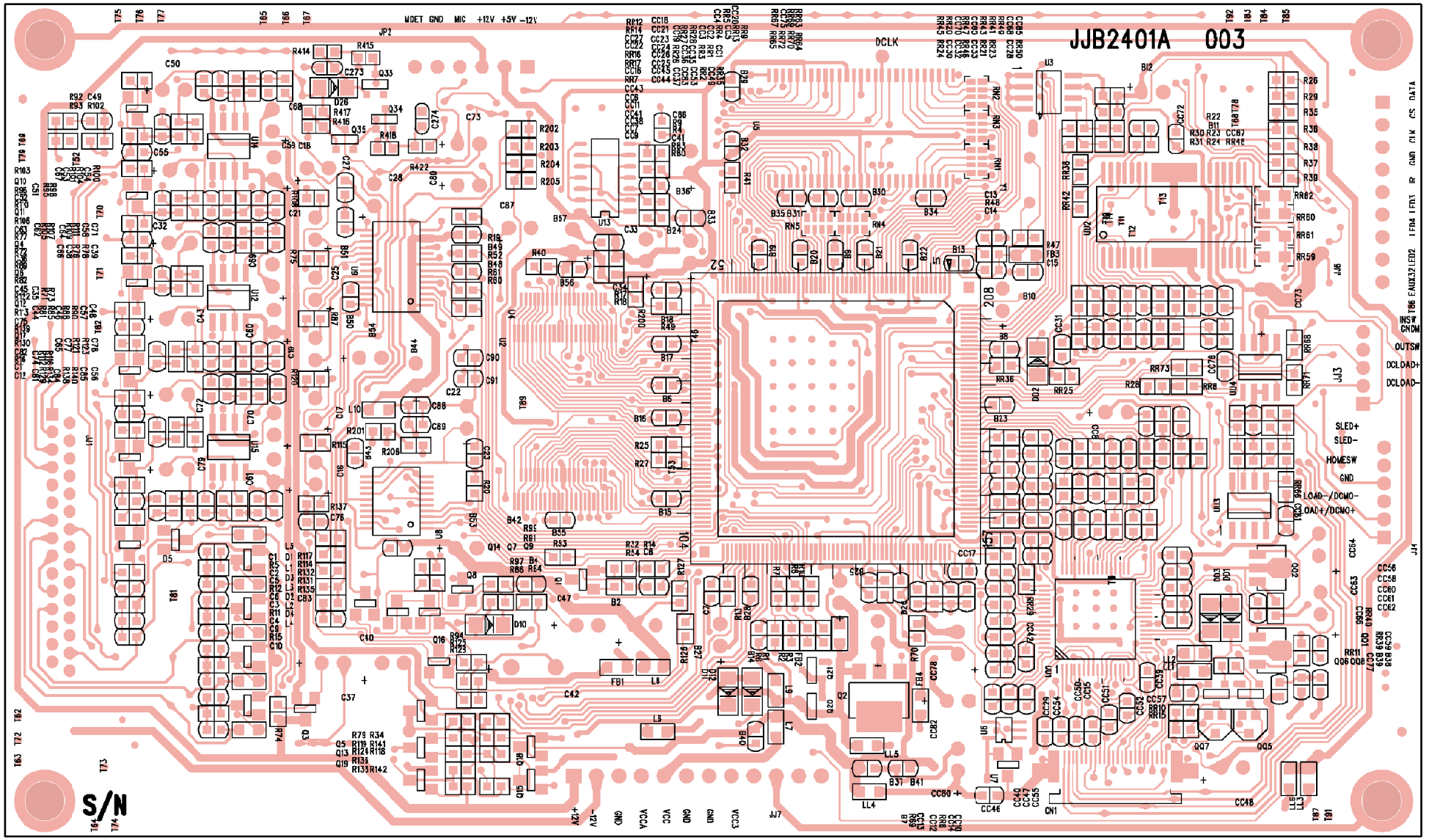
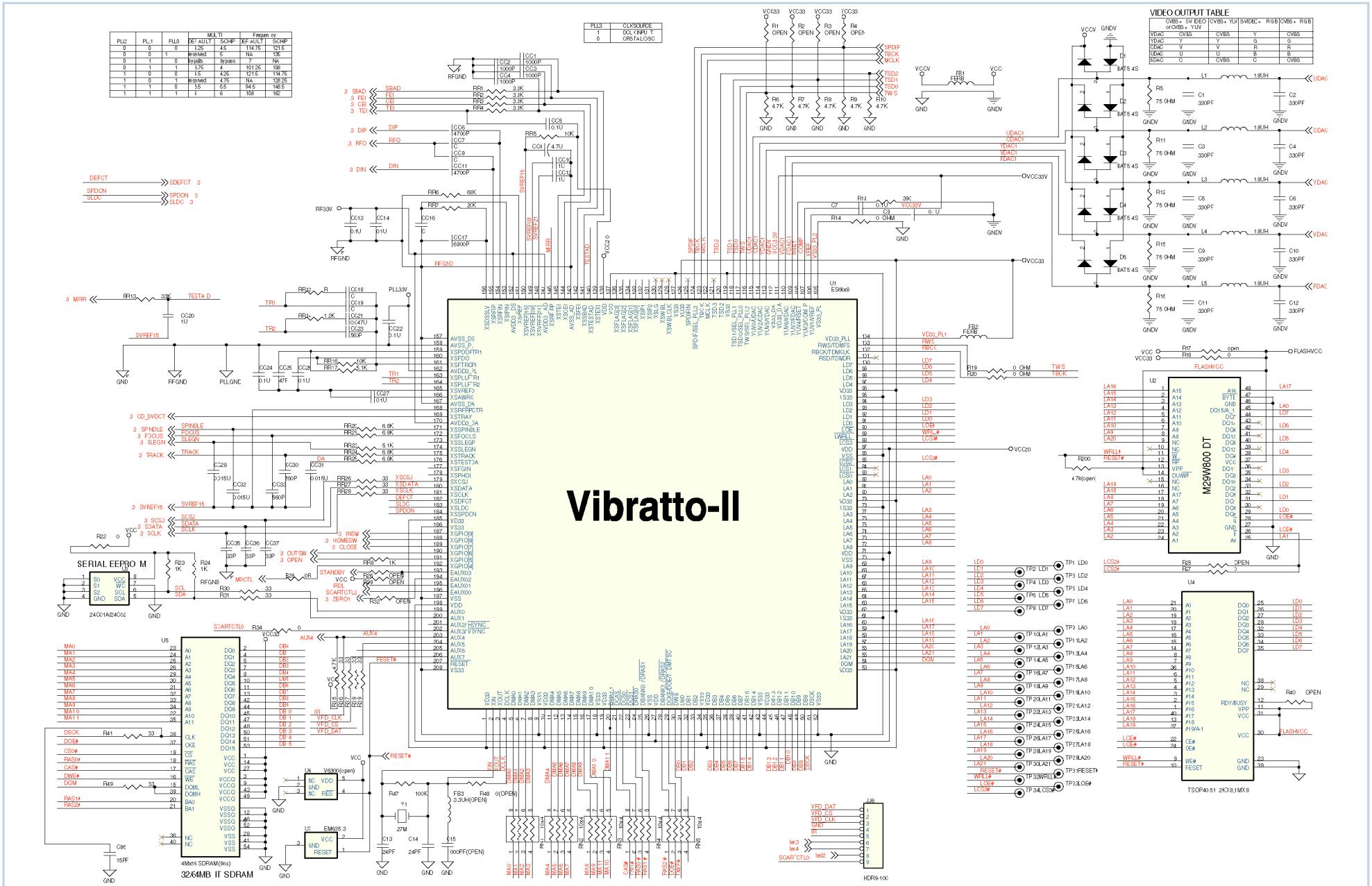
R604
R605
R606
R607
R608
R609
R610
R611
R612
R615
R616
R617
R618
R619
R620
R621
R630
R631
CY601
CY602
CY603
CY604
ZX601
Cadd601
+12V
-12V
GNDA
VCCA
Vcc
GND
GND
3.3V
SVcc
SGND
MGND
+5V
PSB
5VSb
GND
FL-
FL+
VEE


FUSE601
T1.6A L/250V
CON602
POWER SW
CON601
AC INPUT
Component_1
F601
LC20-001
C601 0.1u/250V
C602
0.1u/250V
CY601 102(OPEN)
CY602 102(OPEN)
D601 1N4001
D602 1N4001
D603 1N4001
D604 1N4001
T601
U601
REG
Drain
RC
VCC
Source
GND
AUX
TEA1523P
U602
PC817
U603
TL431
C607 472/1KV (OPEN)
C608 472/1KV
C609 10uF/50V
C610 10uF/50V
C611 100nF
C631 220nF
R603 3.3M (OPEN)
R612 120K/1W
R615 5.1K
R616 5.6K
R617 1K
R618 3.3K
R619 33K
R620 470
R621 33K
R631 10 OHM
D605 FR104
D606 BZX79C18V
D607 FR104
D608 FR107
D609 FR104
D610 IN5822
D611 HER104(OPEN)
D612 FR107
D615 FR107
D616 FR107
D617 FR104
D618 RL205
D619 BZX79C9V1
D620 RL205
C616 220uF/25V
C617 220uF/25V
C618 220uF/25V
C620 220u/25V
C621 100uF/50V
C622 470uF/25V
C625 220uF/25V
C627 1000uF/16V
L603 5.6u
L604 5.6u(OPEN)
L605 5.6u
L602 10u
Q602 BC337-40
Q603 BC327-40
Q604 BC337-40
J602 HEADER 6
J601 9 HEADER
PSB
5VSB
GND
FL-
FL+
VEE
+12V
-12V
GNDA
VCCA
GND
GND
3.3V
SVCC
X601
X602
ZX601(OPEN)


JJB2401A 003
S/N
MDET GND MIC +12V +5V -12V
DCLK
SLED+
SLED-
HOMESW
GND
LOAD-/DCMO-
LOAD+/DCMO+
OUTSW
DCLOAD+
DCLOAD-
+12V
-12V
GND
VCCA
VCC
GND
GND
VCC3


Vibratto-II
VIDEO OUTPUT TABLE
SERIAL EEPRO M
32/64MB IT SDRAM
M29W800 DT
GDP 2400

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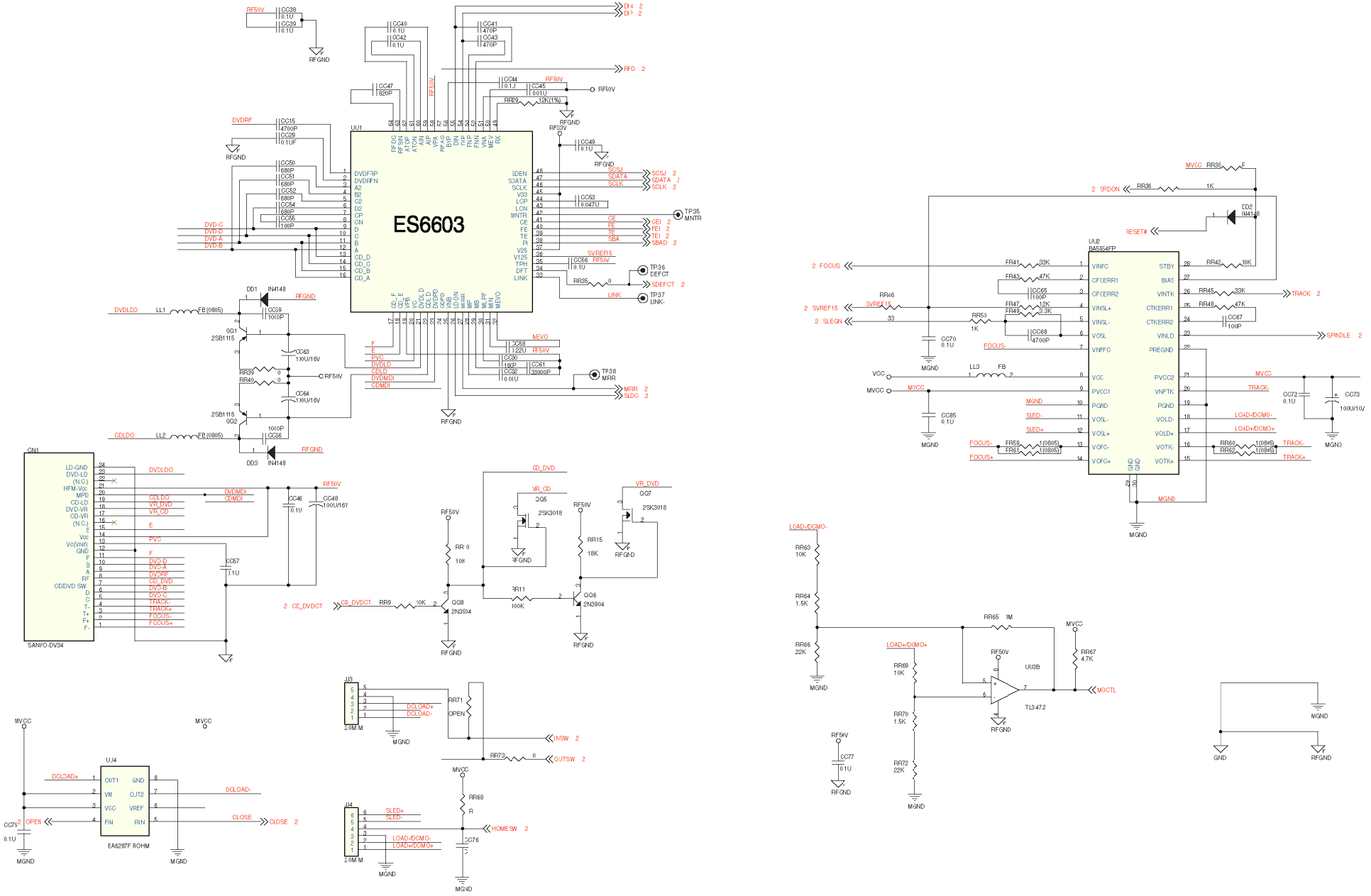
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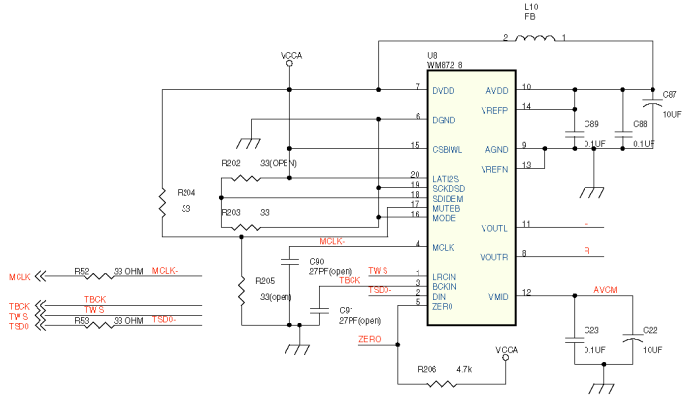
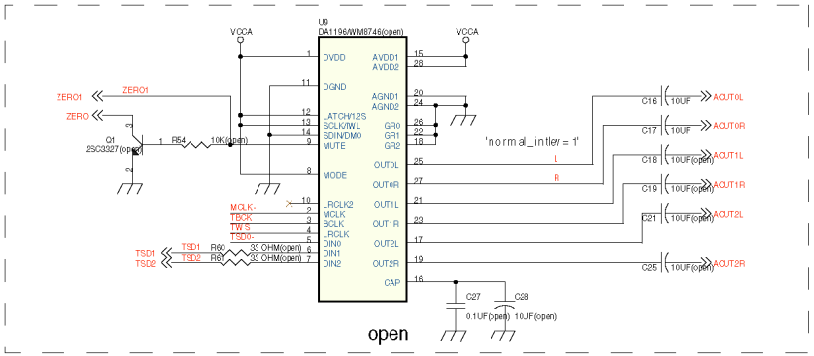
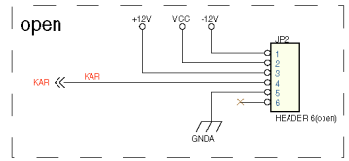
UU1
SANYO-DV34
CN1
EA6287F ROHM
UU4
UU3
UU2
BA5954FP
TL3472
UU3B
2SK3018
2SK3018
2N3904
2N3904
IN4148
IN4148
2SB1115
2SB1115
RFGND
MGND
MVCC
RF50V
DVDLDO
CDLDO
DVDRF
DVD-C
DVD-D
DVD-A
DVD-B
DVD-RF
CD_DVD
VR_CD
VR_DVD
DVDMDI
CDMDI
CD_DVDCT
DCLOAD+
DCLOAD-
LOAD+/DCMO+
LOAD-/DCMO-
TRACK+
TRACK-
FOCUS+
FOCUS-
SPINDLE
MOCTL
INSW
OUTSW
HOMESW
CLOSE
SLED+
SLED-
RESET#
SPDON
SLEQN
SVREF15
TRACK
GRUNDIG
GDP 2400


L10
FB
VCCA
U8
WM872 8
DVDD
DGND
CSB\WL
LATI2S
SCKDSD
SDIDEM
MUTEB
MODE
MCLK
LRCIN
BCKIN
DIN
ZERO
AVDD
\REFP
AGND
\REFN
\VOUTL
VOUTR
VMID
C87
10UF
C89
0.1UF
C88
0.1UF
R202 33(OPEN)
R504 33
R203 33
MCLK-
R52 33 OHM MCLK-
TBCK
TWS
R53 33 OHM TSDO-
R205 33(open)
C90 27PF(open)
C9 27PF(open)
TWS
TBCK
TSDO-
ZERO
R206 4.7k
AVCM
C23 0.1UF
C22 10UF


U9
DA1196/WM8746(open)
VCCA
VCCA
DVDD
DGND
AVDD1
AVDD2
AGND1
AGND2
LATCH/I2S
SCLK/IWL
SDIN/DM0
MUTE
MODE
GR0
GR1
GR2
OUT3L
OUT4R
OUT1L
OUT 1R
OUT2L
OUT2R
CAP
MCLK-
TBCK
TWS
TSDO-
TSDI
TSDI2
R60 33 OHM(open)
R61 33 OHM(open)
ZERO1
ZERO
Q1
2SC3327(open)
R54 10K(open)
'normal_interlev = 1'
C16 10UF AOUT0L
C17 10UF AOUT0R
C18 10UF(open) AOUT1L
C19 10UF(open) AOUT1R
C21 10UF(open) AOUT2L
C25 10UF(open) AOUT2R
C27 0.1UF(open)
C28 10UF(open)
open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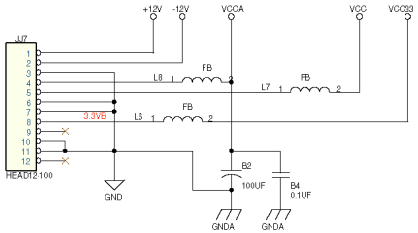
+12V
VCC
-12V
JP2
KAR
KAR
GNDA
HEADER 6(open)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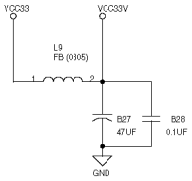
-12V
VCCA
VCC
VCC33
U7
HEAD12-100
FB
L8
L7
L3
3.3V5
B2 100UF
B4 0.1UF
GND
GNDA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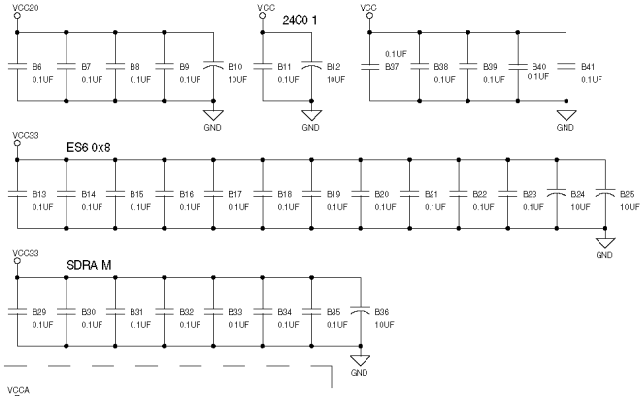
VCC33V
L9
FB (0305)
B27 47UF
B28 0.1UF
GND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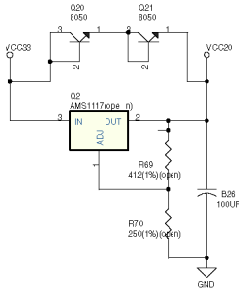
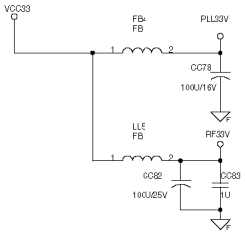
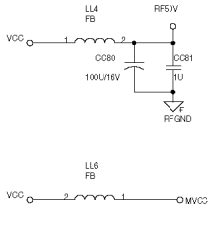
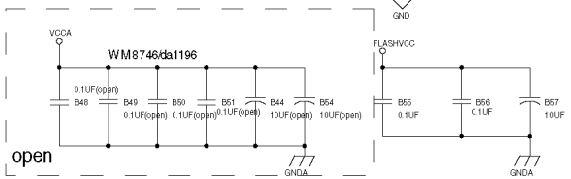
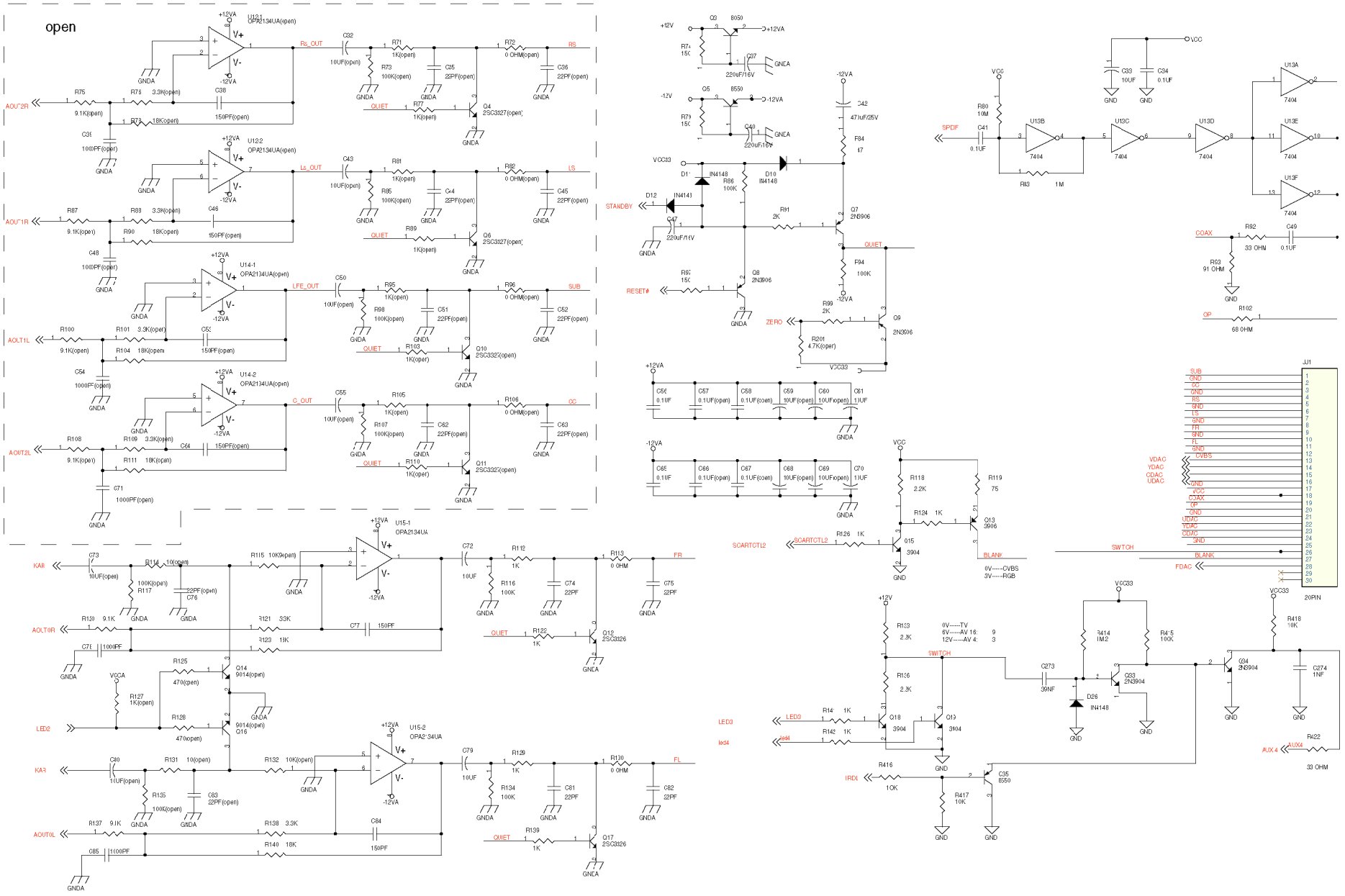
VCC
24C0 1
B6 0.1UF
B7 0.1UF
B8 (.1UF
B9 0.1UF
B10 1UF
B11 0.1UF
B12 1UF
B37 0.1UF
B38 0.1UF
B39 0.1UF
B40 0.1UF
B41 0.1UF
GND
VCC33
ES6 0x8
B13 0.1UF
B14 0.1UF
B15 (.1UF
B16 0.1UF
B17 0.1UF
B18 0.1UF
B19 0.1UF
B20 0.1UF
B21 0. UF
B22 0.1UF
B23 0.1UF
B24 10UF
B25 10UF
SDRA M
B29 0.1UF
B30 0.1UF
B31 (.1UF
B32 0.1UF
B33 0.1UF
B34 0.1UF
B35 0.1UF
B36 10UF
VCCA
WM8726(wm8726da1132)
B42 0.1UF
B43 0.1UF
B53 10UF
GNDA

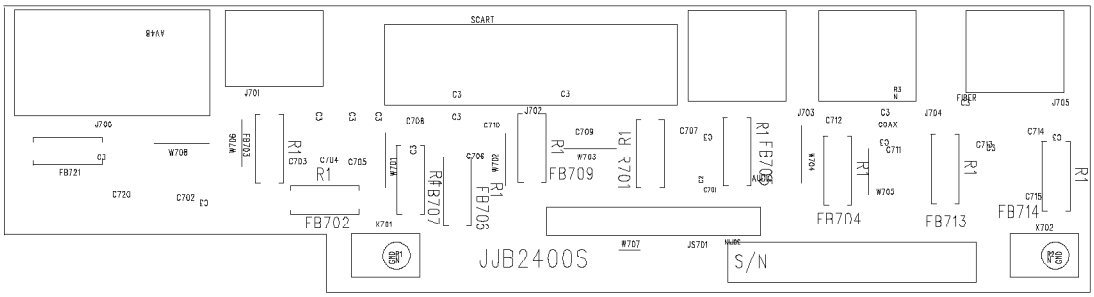

Q20
8050
Q21
8050
VCC33
VCC20
Q2
AMS1117ope n)
IN
OUT
ADJ
R69
412(1%)(open)
R70
259(1%)(open)
B38
100UF
GND

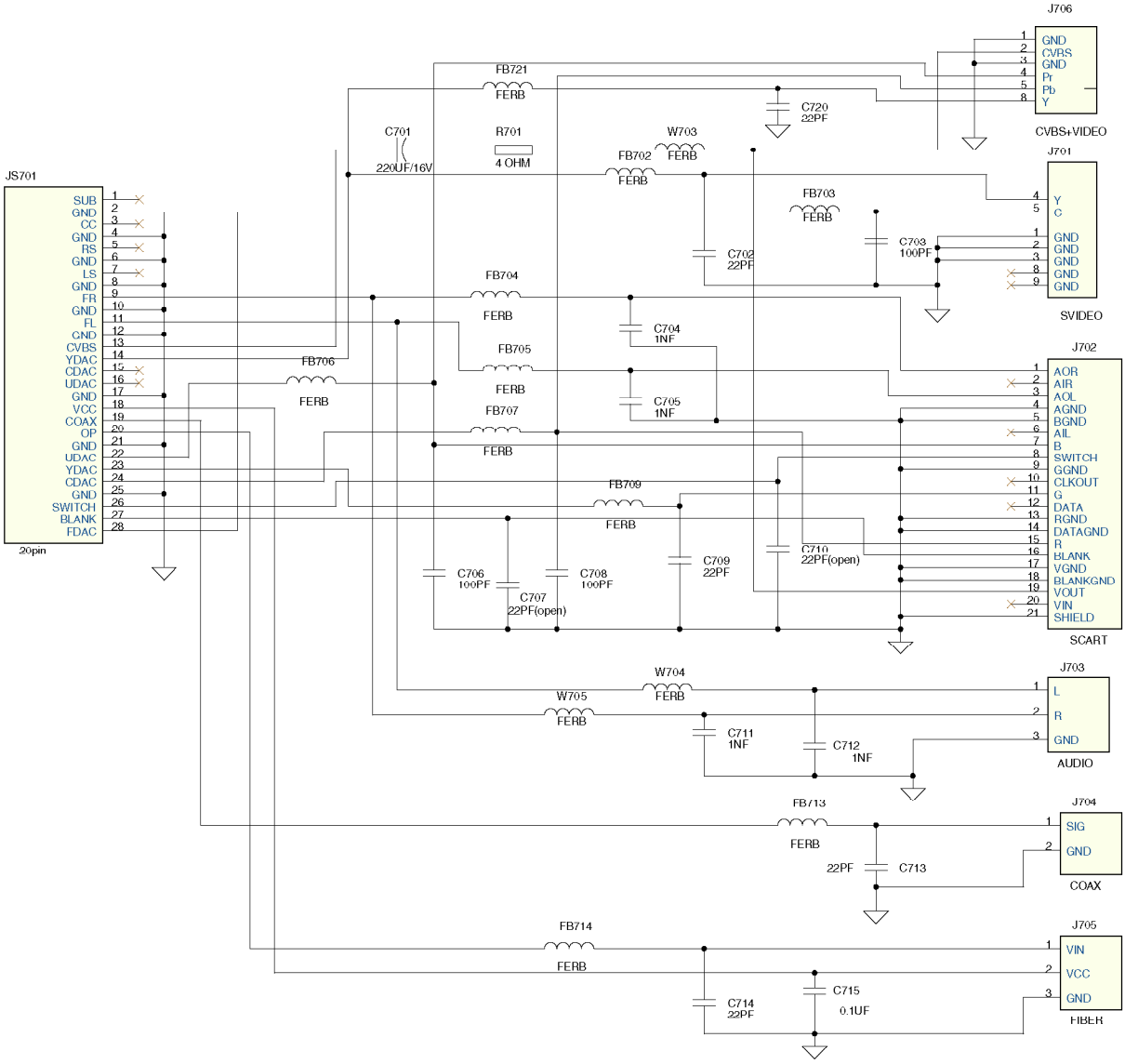

VCC33
FB4
FB
PLL33V
CC78
100U/16V
LLE
FB
RF33V
CC82
100U/25V
CC83
1U


LL4
FB
RF5V
VCC
CC80
100U/16V
CC81
1U
RF-GND
LL6
FB
VCC
MVCC


VCCA
WM8746/da1196
0.1UF(open)
B48
B49
0.1UF(open)
B50
(.1UF(open)
B51
0.1UF(open)
B44
13UF(open)
B54
10UF(open)
FLASHVCC
B55
0.1UF
B56
C.1UF
B57
10UF
open
GNDA
GNDA


open
+12VA
-12VA
GNDA
U12-1
OPA2134UA(open)
U12-2
OPA2134UA(open)
U14-1
OPA2134UA(open)
U14-2
OPA2134UA(open)
U15-1
OPA2134UA
U15-2
OPA2134UA
AOUT2R
AOUT1R
AOUT1L
AOUT2L
AOUT0R
AOUT0L
RS_OUT
LS_OUT
LFE_OUT
C_OUT
KAR
QUIET
RS
LS
SUB
CC
FR
FL
LED2
LED3
IRDI
STANDBY
RESET#
ZERO
SCARTCTL2
SPDIF
COAX
OP
SWITCH
BLANK
FDAC
VCC
VCC33
VCCA
0V-----CVBS
3V-----RGB
0V-----TV
6V-----AV 16:9
12V-----AV 4:3
20PIN


SCART
J701
J706
J702
J703
J704
J705
FB702
FB709
FB704
FB713
FB714
JJB2400S
S/N


JS701
SUB
GND
CC
GND
RS
GND
LS
GND
FR
GND
FL
GND
CVBS
YDAC
CDAC
UDAC
GND
VCC
COAX
OP
GND
UDAC
YDAC
CDAC
GND
SWITCH
BLANK
FDAC
20pin
J706
GND
CVBS
GND
Pr
Pb
Y
CVBS+VIDEO
J701
Y
C
GND
GND
GND
GND
GND
SVIDEO
J702
AOR
AIR
AOL
AGND
BGND
AIL
B
SWITCH
GGND
CLKOUT
G
DATA
RGND
DATAGND
R
BLANK
VGND
BLANKGND
VOUT
VIN
SHIELD
SCART
J703
L
R
GND
AUDIO
J704
SIG
GND
COAX
J705
VIN
VCC
GND
FIBER
FB721
FERB
C720
22PF
C701
220UF/16V
R701
4 OHM
W703
FB702
FERB
FB703
C702
22PF
C703
100PF
FB704
C704
1NF
FB705
FB706
C705
1NF
FB707
FB709
C706
100PF
C707
22PF(open)
C708
100PF
C709
22PF
C710
22PF(open)
W704
W705
C711
1NF
C712
1NF
FB713
22PF
C713
FB714
C714
22PF
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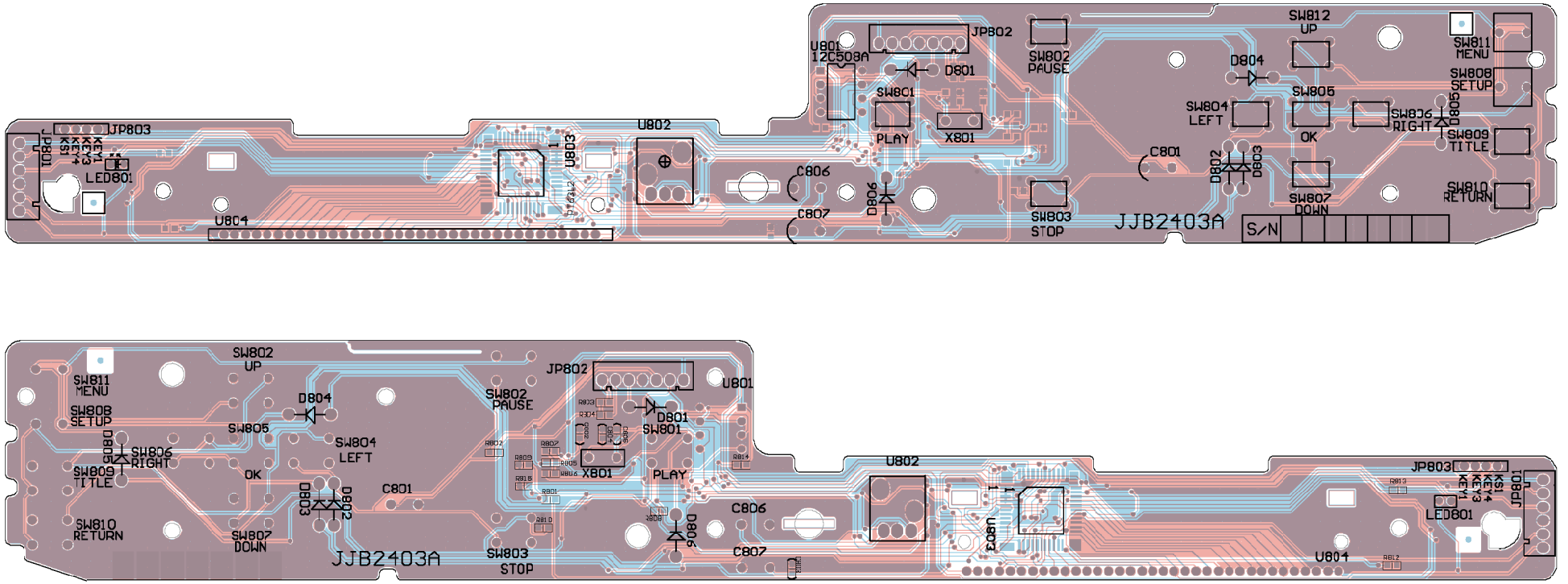
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D801
SW801
PLAY
X801
SW803
STOP
C801
D804
SW804
LEFT
SW805
OK
D802
D803
SW806
RIGHT
SW807
DOWN
SW812
UP
SW811
MENU
SW808
SETUP
SW809
TITLE
SW810
RETURN
D805
JJB2403A
S/N

SW802
UP
SW811
MENU
SW808
SETUP
D804
SW805
SW804
LEFT
D805
SW806
RIGHT
SW809
TITLE
OK
C801
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RETURN
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DOWN
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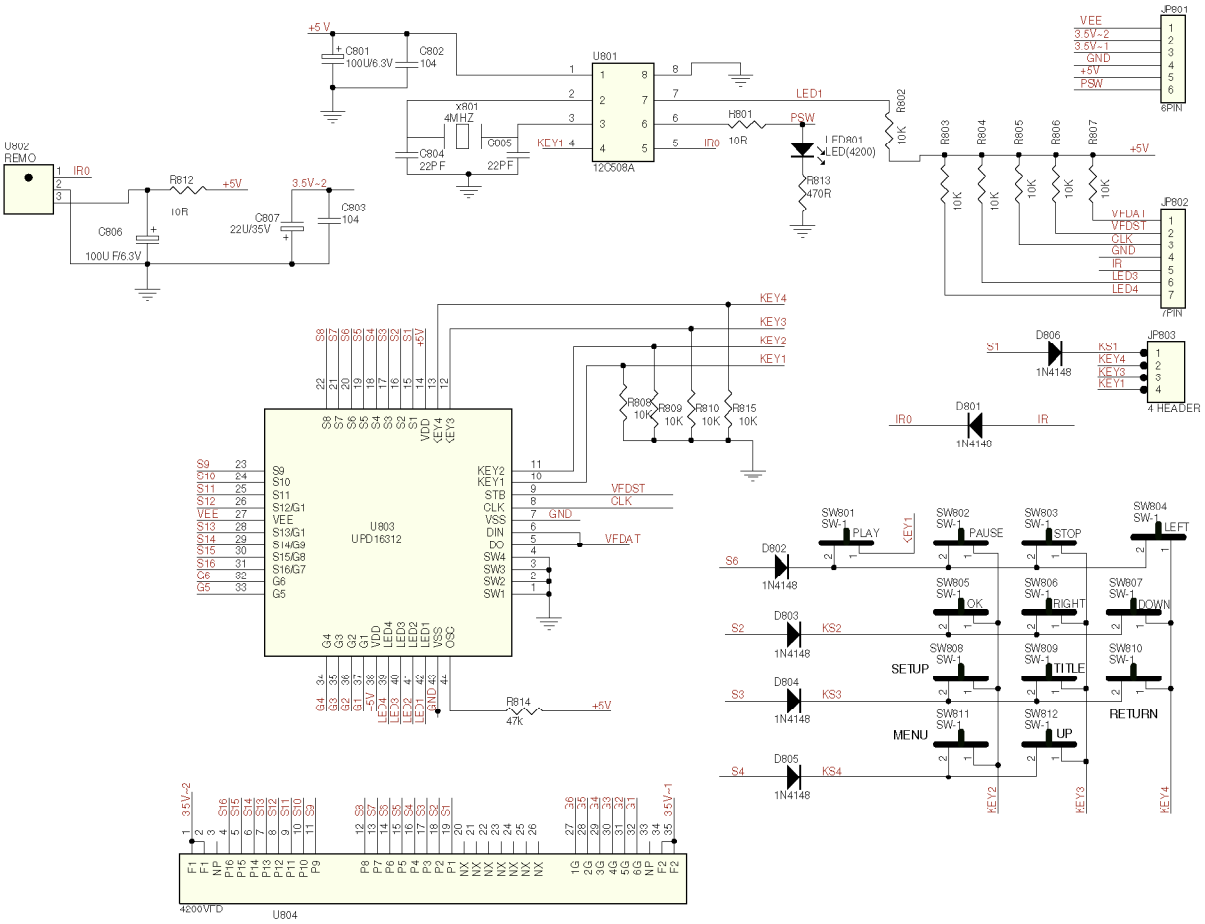
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12C508A
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7PIN
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4 HEADER
D806
1N4148
D801
1N4148
D802
1N4148
D803
1N4148
D804
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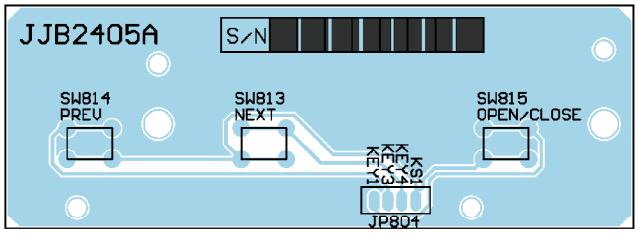
D805
1N4148
SW801 PLAY
SW802 PAUSE
SW803 STOP
SW804 LEFT
SW805 OK
SW806 RIGHT
SW807 DOWN
SW808 SETUP
SW809 TITLE
SW810 RETURN
SW811 MENU
SW812 UP
LED1
PSW
IR0
VFDST
CLK
GND
VFDAT
KEY1
KEY2
KEY3
KEY4
KS1
KS2
KS3
KS4
+5V
3.5V-1
3.5V-2
VEE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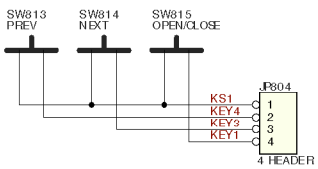
S/N
SW814
PREV
SW813
NEXT
SW815
OPEN/CLOSE
JP801


SW813
PREV
SW814
NEXT
SW815
OPEN/CLOSE
JP804
4 HEADER

GRUNDIG

Ersatzteilliste
Spare Parts List

DVD

7 / 2004

GDP 2400/1
GDP 2400/2

MATERIAL-NR. / PART NO.: 774010735100 BESTELL-NR. / ORDER NO.: GMK1500
MATERIAL-NR. / PART NO.: 774010745100 BESTELL-NR. / ORDER NO.: GMK1600

POS. NR. POS. NO.	ABB. FIG.	MATERIAL-NR. PART NUMBER	ANZ. QTY.	BEZEICHNUNG (D)	DESCRIPTION (GB)
		774010735100		GDP 2400/1	GDP 2400/1
		774010745100		GDP 2400/2	GDP 2400/2
		774010735100		GDP 2400/1, GDP 2400/2 **TAUSCHGERAET**	GDP 2400/1, GDP 2400/2 **EXCHANGE SET**
0001.000		296420660200		TP 81 D FERNBEDIENUNG (GREY)	TP 81 D REMOTE CONTROL (GREY)
				GDP 2400/1	**GDP 2400/1**
		720116035500		BEDIENUNGSANLEITUNG D/NL	INSTRUCTION MANUAL D/NL
		720116035600		BEDIENUNGSANLEITUNG F	INSTRUCTION MANUAL F
		720116035700		BEDIENUGNSANLEITUNG I	INSTRICTION NAMUAL I
		720116035800		BEDIENUNGSANLEITUNG D/I/F	INSTRUCTION MANUAL D/I/F
		720116035900		BEDIENUNGSANLEITUNG NL/F	INSTRUCTION MANUAL NL/F
				GDP 2400/2	**GDP 2400/2**
		720116036000		BEDIENUNGSANLEITUNG DK	INSTRUCTION MANUAL DK
		720116036100		BEDIENUNGSANLEITUNG S/N	INSTRUCTION MANUAL S/N
		720116036200		BEDIENUNGSANLEITUNG E/P	INSTRUCTION MANUAL E/P
		720116036300		BEDIENUNGSANLEITUNG H	INSTRUCTION MANUAL H
		720110503700		BEDIENUNGSANLEITUNG PL	INSTRUCTION MANUAL PL

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!

The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION